

VITA VIONIC® BASE RESIN FLEX clear

Revision: 27.08.2025

Product code: 3149

Page 1 of 10

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

VITA VIONIC® BASE RESIN FLEX clear

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name: DETAX GmbH
Street: Carl-Zeiss-Strasse 4
Place: D-76275 Ettlingen
Telephone: +497243/510-0
E-mail: post@detax.com
Internet: www.detax.com

Supplier

Company name: VITA Zahnfabrik H.Rauter GmbH & Co.KG
Street: Spitalgasse 3
Place: D-79713 Bad Säckingen
Telephone: +49(0)7761-562-0
Telefax: +49(0)7761-562-299
E-mail: info@vita-zahnfabrik.com
Contact person: regulatory affairs
E-mail: info@vita-zahnfabrik.com
Internet: www.vita-zahnfabrik.com
Responsible Department: Regulatory Affairs

1.4. Emergency telephone number:

+1-800-424-9300 (CHEMTREC)

Further Information

medical device

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin Irrit. 2; H315
Eye Irrit. 2; H319
Skin Sens. 1B; H317
STOT SE 3; H335
Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

7,7,9(oder 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylbismethacrylate
Isobornylmethacrylat
(Octahydro-1H-4,7-methanoinden-5-yl)methyl acrylate
Hydroxypropylmethacrylat
2-hydroxyethyl methacrylate
Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate

Signal word: Warning

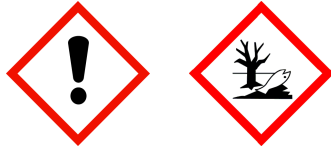
VITA VIONIC® BASE RESIN FLEX clear

Revision: 27.08.2025

Product code: 3149

Page 2 of 10

Pictograms:



Hazard statements

| | |
|------|--|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H411 | Toxic to aquatic life with long lasting effects. |

Precautionary statements

| | |
|-----------|---|
| P501 | Dispose of contents/container to an appropriate recycling or disposal facility. |
| P302+P352 | IF ON SKIN: Wash with plenty of water. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P391 | Collect spillage. |

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

VITA VIONIC® BASE RESIN FLEX clear

Revision: 27.08.2025

Product code: 3149

Page 3 of 10

Relevant ingredients

| CAS No | Chemical name | Quantity |
|-------------|---|------------------|
| | EC No | Index No |
| | REACH No | |
| | Classification (Regulation (EC) No 1272/2008) | |
| 72869-86-4 | 7,7,9(oder 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahehexadecan-1,16-diylbismethacrylate | 40- < 60% |
| | 276-957-5 | 01-2120751202-68 |
| | Skin Sens. 1B, Aquatic Chronic 2; H317 H411 | |
| 7534-94-3 | Isobornylmethacrylat | 5 - < 20% |
| | 231-403-1 | |
| | Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, Aquatic Chronic 3; H315 H319 H335 H412 | |
| 127823-21-6 | (Octahydro-1H-4,7-methanoinden-5-yl)methyl acrylate | 5 - < 20% |
| | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B, STOT SE 3, Aquatic Chronic 2; H315 H319 H317 H335 H411 | |
| 27813-02-1 | Hydroxypropylmethacrylat | 5 - < 20% |
| | 248-666-3 | 01-2119490226-37 |
| | Eye Irrit. 2, Skin Sens. 1; H319 H317 | |
| 868-77-9 | 2-hydroxyethyl methacrylate | 0,1 < 5 % |
| | 212-782-2 | 01-2119490169-29 |
| | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317 | |
| 84434-11-7 | Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate | 0,1 < 5 % |
| | 282-810-6 | 01-2119987994-10 |
| | Skin Sens. 1, Aquatic Chronic 2; H317 H411 | |

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|-------------|--|---|-----------|
| | | Specific Conc. Limits, M-factors and ATE | |
| 72869-86-4 | 276-957-5 | 7,7,9(oder 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahehexadecan-1,16-diylbismethacrylate | 40- < 60% |
| | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg | | |
| 7534-94-3 | 231-403-1 | Isobornylmethacrylat | 5 - < 20% |
| | dermal: LD50 = > 3000 mg/kg; oral: LD50 = > 2000 mg/kg | | |
| 127823-21-6 | | (Octahydro-1H-4,7-methanoinden-5-yl)methyl acrylate | 5 - < 20% |
| | oral: LD50 = 2000 mg/kg | | |
| 27813-02-1 | 248-666-3 | Hydroxypropylmethacrylat | 5 - < 20% |
| | dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 2000 mg/kg | | |
| 868-77-9 | 212-782-2 | 2-hydroxyethyl methacrylate | 0,1 < 5 % |
| | dermal: LD50 = >5000 mg/kg; oral: LD50 = 5564 mg/kg | | |
| 84434-11-7 | 282-810-6 | Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate | 0,1 < 5 % |
| | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg | | |

SECTION 4: First aid measures

4.1. Description of first aid measures

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Seek medical advice immediately.

VITA VIONIC® BASE RESIN FLEX clear

Revision: 27.08.2025

Product code: 3149

Page 4 of 10

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.3. Advice for firefighters

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Avoid contact with eyes and skin.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations.

Hints on joint storage

Do not store together with: Strong acid Highly oxidising substances

Further information on storage conditions

Store in a dry place. Store in a closed container. Sensitivity to light (photosensitive). Do not store under inert gas, as oxygen (air) is required for stabilization.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Individual protection measures, such as personal protective equipment

Eye/face protection

Eye protection Wear eye/face protection.

Hand protection

Wear suitable gloves.

Skin protection

Wear suitable protective clothing.

VITA VIONIC® BASE RESIN FLEX clear

Revision: 27.08.2025

Product code: 3149

Page 5 of 10

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:

Colour: clear

Flash point:

>100 °C **Test method**
DIN 51755

Decomposition temperature:

>=190 °C °C

Water solubility:

The study does not need to be conducted
because the substance is known to be
insoluble in water.

Vapour pressure:

< 1 hPa

(at 20 °C)

Density (at 20 °C):

1,09 g/cm³ DIN 51757

9.2. Other information

Information with regard to physical hazard classes

Oxidizing properties

Not oxidising.

SECTION 10: Stability and reactivity

10.3. Possibility of hazardous reactions

Oxidizing agent ,Strong acid ,

10.4. Conditions to avoid

The product hardens when exposed to visible and UV light. Therefore, store in closed containers in complete exclusion of light at 15°C - 28°C.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

VITA VIONIC® BASE RESIN FLEX clear

Revision: 27.08.2025

Product code: 3149

Page 6 of 10

| CAS No | Chemical name | | | | |
|-------------|--|-------------------|---------|----------|----------|
| | Exposure route | Dose | Species | Source | Method |
| 72869-86-4 | 7,7,9(oder 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylbismethacrylate | | | | |
| | oral | LD50 > 5000 mg/kg | Ratte | OECD 401 | |
| | dermal | LD50 > 2000 mg/kg | Ratte | OECD 402 | |
| 7534-94-3 | Isobornylmethacrylat | | | | |
| | oral | LD50 > 2000 mg/kg | Rat | MSDS | |
| | dermal | LD50 > 3000 mg/kg | Rabbit | MSDS | |
| 127823-21-6 | (Octahydro-1H-4,7-methanoinden-5-yl)methyl acrylate | | | | |
| | oral | LD50 2000 mg/kg | Ratte | | OECD |
| 27813-02-1 | Hydroxypropylmethacrylat | | | | |
| | oral | LD50 > 2000 mg/kg | Rat | OECD 401 | |
| | dermal | LD50 > 5000 mg/kg | Rabbit | | |
| 868-77-9 | 2-hydroxyethyl methacrylate | | | | |
| | oral | LD50 5564 mg/kg | Rat | | |
| | dermal | LD50 >5000 mg/kg | Rabbit | | |
| 84434-11-7 | Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | | OECD 401 |
| | dermal | LD50 > 2000 mg/kg | Rat | | |

Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye irritation.

Sensitising effects

May cause an allergic skin reaction. (7,7,9(oder 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylbismethacrylate; (Octahydro-1H-4,7-methanoinden-5-yl)methyl acrylate; Hydroxypropylmethacrylat; 2-hydroxyethyl methacrylate; Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate)

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

VITA VIONIC® BASE RESIN FLEX clear

Revision: 27.08.2025

Product code: 3149

Page 7 of 10

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Further information

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

| CAS No | Chemical name | | | | | |
|-------------|--|-------------------|-----------|--------------------------------------|--------------|----------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 72869-86-4 | 7,7,9(oder 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylbismethacrylate | | | | | |
| | Acute fish toxicity | LC50 >100 mg/l | 96 h | | | OECD 203 |
| | Acute algae toxicity | ErC50 >100 mg/l | 72 h | | | OECD 201 |
| | Acute crustacea toxicity | EC50 >100 mg/l | 48 h | Daphnia magna | OECD 202 | |
| 7534-94-3 | Isobornylmethacrylat | | | | | |
| | Acute fish toxicity | LC50 1,79 mg/l | 96 h | | MSDS | |
| | Acute crustacea toxicity | EC50 > 2,57 mg/l | 48 h | Daphnia magna | MSDS | |
| 127823-21-6 | (Octahydro-1H-4,7-methanoiden-5-yl)methyl acrylate | | | | | |
| | Acute fish toxicity | LC50 1,8 mg/l | 96 h | Danio rerio | | OECD 203 |
| | Acute algae toxicity | ErC50 1,15 mg/l | 72 h | Pseudokirchneriellas ubcapitata | | OECD 201 |
| | Acute crustacea toxicity | EC50 2,64 mg/l | 48 h | Daphnia magna | | OECD 202 |
| 27813-02-1 | Hydroxypropylmethacrylat | | | | | |
| | Acute fish toxicity | LC50 493 mg/l | 96 h | Leuciscus idus(Goldorfe) | | |
| | Acute algae toxicity | ErC50 > 97,2 mg/l | 72 h | Pseudokirchneriellas ubcapitata | OECD 201 | |
| | Acute crustacea toxicity | EC50 380 mg/l | 48 h | Daphnia magna | OECD 202 | |
| 868-77-9 | 2-hydroxyethyl methacrylate | | | | | |
| | Acute fish toxicity | LC50 227 mg/l | 96 h | Pimephales promelas (fathead minnow) | Manufacturer | |
| 84434-11-7 | Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate | | | | | |
| | Acute fish toxicity | LC50 1,89 mg/l | 96 h | Danio rerio | | |

12.2. Persistence and degradability

The product has not been tested.

VITA VIONIC® BASE RESIN FLEX clear

Revision: 27.08.2025

Product code: 3149

Page 8 of 10

| CAS No | Chemical name | Method | Value | d | Source |
|-------------|---|--|-------|----|--------|
| | | Evaluation | | | |
| 127823-21-6 | (Octahydro-1H-4,7-methanoinden-5-yl)methyl acrylate | OECD 301F/ ISO 9408/ EEC 92/69V, C.4-D | 11,8% | 28 | |
| | Nicht leicht biologisch abbaubar (nach OECD-Kriter | | | | |
| 27813-02-1 | Hydroxypropylmethacrylat | | 94 % | 28 | |

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|------------|--|---------|
| 72869-86-4 | 7,7,9(oder 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylbismethacrylate | 3,39 |
| 27813-02-1 | Hydroxypropylmethacrylat | 0,97 |
| 868-77-9 | 2-hydroxyethyl methacrylate | 0,47 |

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Appropriate disposal / Package

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:

UN 3082

14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es):

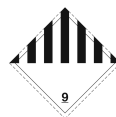
9

14.4. Packing group:

III

Hazard label:

9



Classification code:

M6

Special Provisions:

274 335 375 601

Limited quantity:

5 L

Excepted quantity:

E1

Transport category:

3

Hazard No:

90

Tunnel restriction code:

-

Other applicable information (land transport)

Contains: 7,7,9(oder 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylbismethacrylat

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3. Transport hazard class(es): 9
14.4. Packing group: III
 Hazard label: 9



Classification code: M6
 Special Provisions: 274 335 375 601
 Limited quantity: 5 L
 Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number or ID number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3. Transport hazard class(es): 9
14.4. Packing group: III
 Hazard label: 9



Special Provisions: 274 335 969
 Limited quantity: 5 L
 Excepted quantity: E1
 EmS: F-A, S-F

Other applicable information (marine transport)

Contains: 7,7,9(oder 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahehexadecan-1,16-diylobismethacrylat
 Flash point: > 100°C

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3. Transport hazard class(es): 9
14.4. Packing group: III
 Hazard label: 9



Special Provisions: A97 A158 A197 A215
 Limited quantity Passenger: 30 kg G
 Passenger LQ: Y964
 Excepted quantity: E1
 IATA-packing instructions - Passenger: 964
 IATA-max. quantity - Passenger: 450 L
 IATA-packing instructions - Cargo: 964
 IATA-max. quantity - Cargo: 450 L

Other applicable information (air transport)

Contains: 7,7,9(oder 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahehexadecan-1,16-diylobismethacrylat

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3

Information according to Directive 2012/18/EU (SEVESO III):

E2 Hazardous to the Aquatic Environment

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D):

3 - highly hazardous to water

Skin resorption/Sensitization:

Causes allergic hypersensitivity reactions.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,4,7,8,9,10,11,12,15.

Abbreviations and acronyms

Skin Irrit. 2: Skin irritation, hazard category 2

Eye Irrit. 2: Eye irritation, hazard category 2

Skin Sens. 1: Skin sensitisation, hazard category 1

Skin Sens. 1B: Skin sensitisation, hazard category 1B

STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard category: Chronic 2

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

| Classification | Classification procedure |
|-------------------------|--------------------------|
| Skin Irrit. 2; H315 | |
| Eye Irrit. 2; H319 | |
| Skin Sens. 1B; H317 | |
| STOT SE 3; H335 | Calculation method |
| Aquatic Chronic 2; H411 | Calculation method |

Relevant H and EUH statements (number and full text)

| | |
|------|--|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)